

Pet Doctors Veterinary Supplies and Services

Chemistry Test Report

Pet Name: Mingming
Gender: Male
Sample ID: 2609030002

Owner Name: Marjorie Esman
Age: 1 Years
Sample Type: Whole Blood

Species: Feline
Patient or Visit No.:
Time Tested: 03/09/2026 10:35:27

Test Panel: Comprehensive 24 Profile

Test	Result	Unit	Reference Range	Low	Normal	High	
TP	54.4	g/L	54-89				Whole Body
ALB	21.5 ↓	g/L	22-45				Liver, Kidney
GLOB	32.9	g/L	15-57				Whole Body
ALB/GLOB	0.7						Calculated value
TBIL	7.39	umol/L	2-15				Whole Body, Liver
GGT	0.5	U/L	0-2				Liver
AST	143 ↑	U/L	9.2-60				Liver
ALT	89	U/L	8.2-123				Liver
AST/ALT	1.61						Calculated value
ALP	10	U/L	10-90				Liver
TBA	6.78	umol/L	0-15				Liver, Gallbladder
AMYL	555	U/L	200-1800				Pancreas
CK	≥3000 ↑	U/L	50-450				Myocardium, Skeletal muscle
CREA	41	umol/L	27-223				Kidney
BUN	4.94	mmol/L	3.6-15.5				Kidney
BUN/CREA	30						Calculated value
GLU	8.29	mmol/L	4.11-8.84				Whole Body
CHOL	2.29	mmol/L	1.68-5.81				Whole Body
TRIG	1.50 ↑	mmol/L	0.1-0.9				
tCO2	16	mmol/L	15-24				Whole Body
Ca	1.98	mmol/L	1.95-2.95				Whole Body
PHOS	1.08	mmol/L	1-2.74				Kidney
Ca×P	27	mg/dL					
Mg	0.53 ↓	mmol/L	0.7-1.21				

Clinical Significance

ALB	Decreased levels: ① Malnutrition; ② Chronic wasting diseases; ③ Acute decrease seen in massive hemorrhage; ④ Blood dilution due to large volume infusion; ⑤ Chronic infections, tumors, trauma; ⑥ Hepatic dysfunction, decreased synthesis, ascites formation; ⑦ Renal diseases: glomerulonephritis, protein-losing nephropathy; ⑧ Severe malnutrition due to long-term starvation, diarrhea, malabsorption/digestion.
AST	Elevated levels: ① Hepatic system diseases; ② Hemolysis, lipemia causing false elevation; ③ Equine paralytic myoglobinuria; ④ Cardiac injury: myocarditis, myocardial infarction; ⑤ Skeletal muscle diseases: canine degenerative myopathy, muscle injury; ⑥ Drug/toxin effects: barbiturates, corticosteroids, nonsteroidal anti-inflammatory drugs, ketoconazole, etc.
CK	Elevated levels: ① Myocardial necrosis; ② Strenuous exercise; ③ Prolonged recumbency; ④ Skeletal muscle injury; ⑤ Neurological disease; ⑥ Hypothyroidism; ⑦ Hemolysis or intramuscular injection during blood draw.
TRIG	Elevated levels: ① Hypothyroidism; ② Diabetes mellitus; ③ Pancreatitis; ④ Cholestasis; ⑤ Fasting (obesity); ⑥ Spontaneous hyperlipidemia; ⑦ Hyperadrenocorticism; ⑧ Spontaneous hyperchylomicronemia; ⑨ Physiological increase after a fatty meal.
Mg	Decreased levels: ① Intestinal absorption disorders; ② Hyperparathyroidism; ③ Fluid disorders, acute pancreatitis; ④ Prolonged fasting, chronic diarrhea with malabsorption; ⑤ Diabetic ketoacidosis, hyperaldosteronism; ⑥ Renal tubular injury/necrosis, post-obstructive diuresis, long-term diuretic therapy.

Veterinary Technician: not specified

Attending Veterinarian: Dr. Ricardo Valdez

Date Reported: 03/09/2026

This report is solely for the received sample and serves as a diagnostic reference for veterinarians.



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